Resilient Infrastructure & Security Checklist

Master Blueprint for Off-Grid Hardening, High-Performance Networking, and Secure Administration

1. Power & Hardened Protection (The Foundation)

- [ ] **Backup Generator:** Heavy-duty backup generator deployed for continuous power autonomy during grid outages.
- [ ] **EMP Protection:** Full-home electromagnetic pulse protection system installed (EMP Shield: empshield.com).

2. Networking & Hardware Architecture (Ubiquiti UniFi)

- [ ] **Core Gateway:** UniFi Dream Machine Pro Max (UDM-Pro-Max) — Central networking brain handling high-speed routing, deep packet inspection, and 10Gb speeds (store.ui.com).
- [ ] **Primary Internet:** High-speed Fiber Optic connection (gold standard) or traditional copper/cable if fiber is unavailable in the remote area.
- [ ] **Failover Redundancy:** Automated multi-tier failover setup. Primary internet runs normally; upon failure, traffic automatically reroutes to Starlink or cellular LTE/5G.
- [ ] **Starlink Setup Note:** Initial setup and testing utilize the bundled Starlink router, which is subsequently bypassed. Ethernet runs directly from the Starlink adapter into the Dream Machine WAN port.
- [ ] **High-Performance Wi-Fi:** UniFi U7 Pro XGS (10Gb) access points powered via Power over Ethernet (PoE).

3. Physical Security & Access Control

- [ ] **Front Door Entry:** `UVC-G6-Pro-Entry` Ubiquiti G6 Pro Entry Smart Door Access System featuring a 12MP camera, 3-inch touch display, Face ID, NFC/key fob access, and two-way audio.
- [ ] **Property Expansion:** Scalable integration architecture ready for extra security cameras around the perimeter, additional entry access points, and smart locks managed centrally via UniFi Protect.

4. Utilities & Environmental Control

- [ ] **Water Filtration:** Whole-house reverse osmosis (RO) water filtration system for pristine water purification.

5. Account Security & Disaster Recovery

- [ ] **Administrator Hardening:** Homeowner admin accounts secured with mandatory, strict Two-Factor Authentication (2FA).
- [ ] **Credential Management:** Master passwords, device credentials, and recovery keys organized and secured using **1Password**.
- [ ] **Physical Emergency Kit:** 1Password emergency recovery kit printed out and permanently secured inside a heavy-duty **Fort Knox safe** bolted down in a hidden location inside the home.

Confidential Master Deployment Checklist • Built for Maximum Resilience, Security, and Autonomy